Modern
ANTHRACITE EQUIPMENT

Newest developments in

AUTOMATIC HEAT
and
AIR CONDITIONING

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MODERN *Anthracite* EQUIPMENT

GIVES YOU AUTOMATIC HEAT IN ANY TYPE OF BOILER OR FURNACE — WITH AUTOMATIC FUELING FOR ANY PERIOD OF TIME YOU PREFER — AT THE LOWEST POSSIBLE FUEL COST

ANTHRACITE is a natural fuel in the exact form in which Nature created it. It needs only the presence of air to make it burn. It gives you all its exclusive advantages in the simplest type of heater or furnace.

That is an important reason for the universal popularity of Anthracite. It is so easy to use in such a wide variety of types of heating equipment. Anthracite lets you choose the kind of equipment that best suits your individual needs and pocketbook.

Many fuels are not practical for heating purposes except when aided by intricate mechanical apparatus. You can use them only by purchasing costly equipment.

Anthracite comes to you properly prepared in the correct sizes for use without change in any type of equipment. The egg, stove, chestnut and pea sizes are known as "domestic" sizes because they are especially efficient in home heating stoves, furnaces and boilers. Smaller sizes such as buckwheat and rice sizes are specially adapted for use in Anthracite equipment with automatic fuel feed.

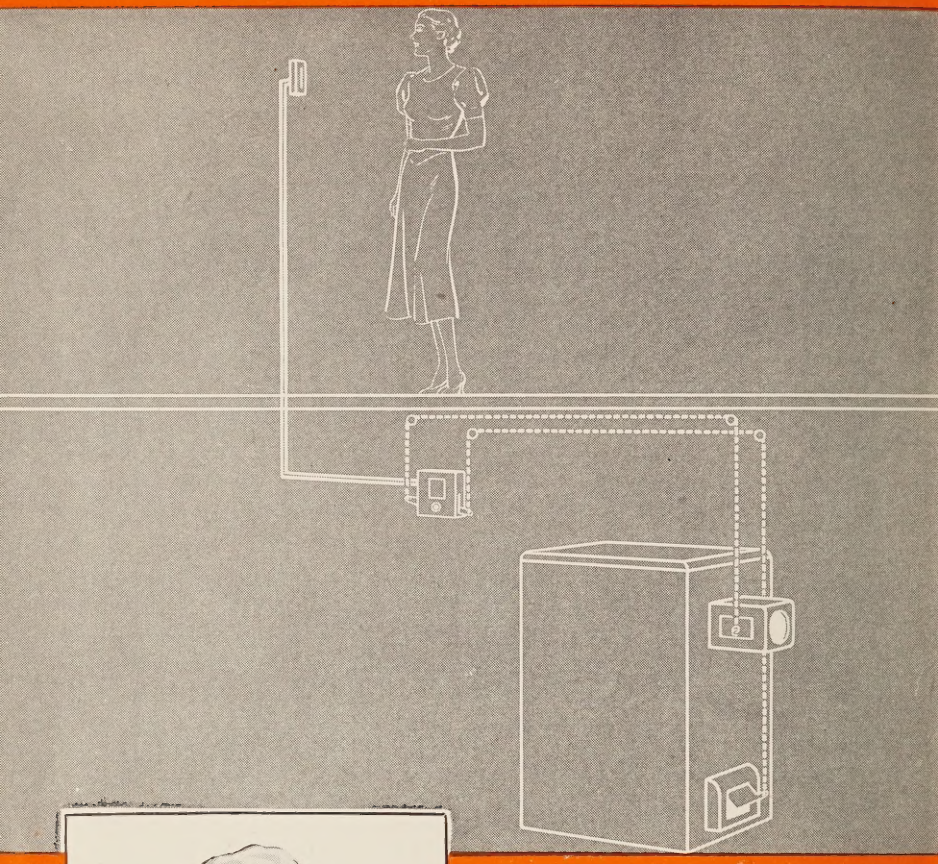
When building a new home or replacing your present heating plant, you may prefer to minimize your initial investment. With Anthracite you can do so. The simplest form of Anthracite furnace or boiler gives you *all* the essentials of heating comfort.

If you want to add, when it suits you best, features that give you greater convenience and more operating economy, you merely add to your basic furnace or boiler at will.

If initial investment is less important to you than the ultimate in convenience, you can add completely automatic fuel and ash handling to any Anthracite furnace or boiler. Then you can look forward to the economy of using lower cost sizes of Anthracite that will compensate for your larger initial investment.

In the variety of Anthracite heating equipment briefly described in this book, the purchaser will find the type of heating equipment that best suits the requirements of his home, his family and his budget.

A *thermostat* GIVES AUTOMATIC ANTHRACITE HEAT



ANTHRACITE THERMOSTATS

The thermostat keeps upstairs temperature at a constant level by operating controls downstairs. Before the room cools, the thermostat operates an electric switch to turn on more heat. Before the room overheats, the thermostat operates the switch to turn heat down. You can see why the constant glow of Anthracite, with reserve heat always on tap, gives the most even heat possible, though it may be from the simplest and most inexpensive equipment.

NO matter what kind of heating system you use, the thermostat does more for smaller cost than any other item of equipment.

With any Anthracite boiler or furnace of adequate size, thermostatic control will give you automatic heat.

With a thermostat you never need to adjust drafts by hand. You never have to interrupt your work, recreation or reading, to regulate your heater. You set it and forget it. Day and night, it keeps watch upon the comfort, health and safety of your family, and upon your heating budget.

It is actually true that all of this convenience costs you less than nothing—for a thermostat *saves* money. It cuts down fuel waste and soon pays its entire cost, making future savings pure profit.

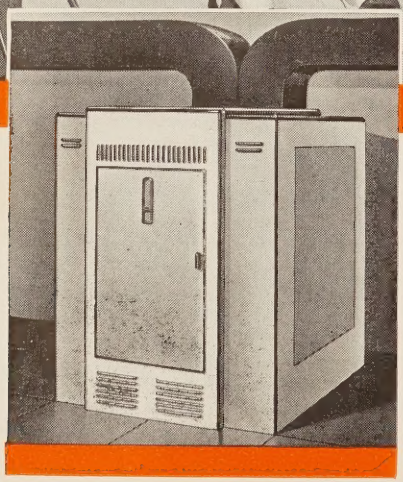
A thermostat works best with Anthracite, because Anthracite heat is constant heat. There is never any delay between the time the thermostat calls for heat and when heat is delivered.

You can get automatic heat at once by adding a simple, inexpensive thermostat to your present heating system. If you move, you can take it with you. If you remodel, you can use it with any other Anthracite heating system.

With any adequate Anthracite heater, a thermostat will relieve you of all fueling for as long as 12 hours at a time.

Your coal dealer, or plumbing and heating contractor can help you select the thermostat that best meets your needs.

You will never know the complete satisfaction that thousands upon thousands of families enjoy from Anthracite heat, until you experience automatic thermostatic control.



ANTHRACITE WARM AIR HEATING

In warm air heaters, air is warmed, becomes lighter in weight and rises through ducts to be distributed throughout the home. Anthracite warm air heaters burn chestnut, egg or stove size Anthracite.

MODERN HOME HEATING WITH *warmed* AND *circulated air*

ANTHRACITE warm air furnaces today are as different from the old time "hot air furnace" as the streamlined motor car compared with the high-wheeled "horseless carriage."

One look at present models tells you that. You'll note new trim lines — smartly enamelled jackets in bright colors.

Inexpensive thermostats with modern Anthracite warm air systems give automatic temperature control. This insures even heat; cuts down operating cost; saves fuel; saves steps, time and trouble. On Anthracite furnaces of adequate size, a thermostat relieves the owner of all attention to the heater for as long as twelve hours at a time.

Automatic fuel and ash handling, and air conditioning can be added to modern Anthracite warm air furnaces. They can be equipped to give complete automatic operation all season long. It is no wonder that thousands upon thousands of families, who wish to hold down their original investment, maintain that a modern Anthracite warm air furnace, with thermostatic control, gives them the heating satisfaction and convenience they desire.

ANTHRACITE BOILER FOR STEAM, VAPOR OR HOT WATER

Anthracite boilers are designed to burn the egg, stove and chestnut sizes of Anthracite. Whether round or square, made of cast iron or steel, Anthracite boilers provide the advantages of easily controlled heat with all of the economy of Anthracite.

THE MODERN ANTHRACITE *Boiler* FOR RADIATOR HEATING WITH STEAM, VAPOR OR HOT WATER

WHERE radiator heat is preferred, a boiler is needed to heat the water, or make the steam or vapor the radiators require.

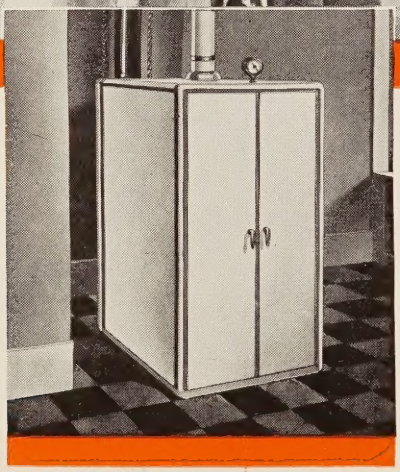
The Anthracite boiler is the simplest possible type of equipment for this purpose. Built into it are all elements necessary for complete operation. All it requires is occasional fueling — and with the many improvements built into modern boilers, the attention required is reduced to a minimum.

With this relatively little attention, it gives you all the heat advantages of Anthracite. It keeps hot water, steam or vapor instantly ready to respond when heat is needed.

Insulated, completely enclosed in a colorful, smooth "jacket," a modern Anthracite boiler is an attractive part of the furnishings in any modernized basement plan.

This low cost type of boiler gives automatic heat by the addition of an inexpensive thermostat. Any adequate Anthracite boiler with thermostatic controls operates for twelve hours without attention. Automatic fuel and ash handling, as well as air conditioning units, can be added when desired.

Thousands upon thousands of families who want radiator heat *prefer* the simple Anthracite boiler with a thermostat. This keeps down the original investment in equipment. It gives all essential advantages of Anthracite radiator heat at the lowest possible cost for equipment.



AUTOMATIC FUELING WITH ANTHRACITE MAGAZINE FEED HEATERS

Magazine feed heaters have sloping grates instead of the usual flat grates. This lets the coal flow down from a magazine as needed. As fuel on the grate burns, it shrinks. This makes room for more fuel which rolls down from the magazine above. This not only keeps the fire burning continuously, but keeps the fuel bed at the right depth for efficient combustion.

Magazine Feed HEATERS

FOR MORE CONVENIENCE AND LOWER FUEL COSTS

THE magazine feed heater is so called because it contains within itself a magazine or storage place for fuel. Enough fuel can be stored in the magazine to last for 24 to 48 hours. Fuel feeds to the fire by gravity.

The added convenience and lower fuel cost justify the slightly higher initial investment in this type of heater. Magazine feed heaters burn No. 1 Buckwheat size Anthracite. This size Anthracite is enough lower in price than the larger sizes, to pay the extra cost of equipment in a short time.

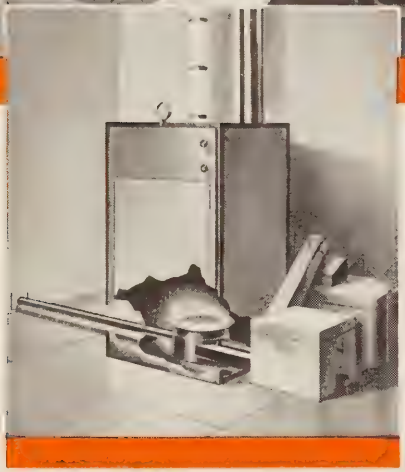
Magazine feed heaters are made for use with any type of heating system—steam, vapor, hot water or warm air.

Thousands of magazine feed heaters are now giving owners economical automatic heat with attention only three or four times a week —a degree of convenience that has satisfactorily met the ideas of many thousands of owners over a long period of years.

ANTHRA-HEAT UNIT FOR SMALL HOMES

The Anthra-Heat Unit is a revolutionary new type of magazine feed boiler for the small home. The new design does away with the usual combustion space. This makes room inside the unit for enough fuel to last three or four days in mild weather, one to two days in severe weather.

The Unit burns nut size Anthracite, and is sold complete with thermostatic control, and ash receiver. The Anthra-Heat provides automatic heat, with attention reduced to an absolute minimum. Low in cost, economical in operation, it provides steam, vapor or hot water heating for the small home, with startling new convenience.



AUTOMATIC ANTHRACITE BURNERS

The simple units in an Automatic Anthracite Burner are: conveyor to carry fuel from bin to fire; burner designed to burn the small sizes of Anthracite; ash removal conveyor; thermostatic controls for an even temperature upstairs from fire automatically controlled downstairs. In addition to automatic convenience, Automatic Anthracite Burners provide the constant heat of Anthracite for health and comfort at the lowest fuel cost.

ALL YEAR 'ROUND AUTOMATIC *fuel and ash* HANDLING

AUTOMATIC Anthracite burners add completely automatic fuel and ash handling to all other advantages of Anthracite heat. Fuel is fed from a closed bin, and ash is removed to sealed containers. They are equipped with thermostatic controls, and operate all year 'round without attention.

Where it is desirable, automatic conveniences can be added step by step. Many purchasers prefer to start with stoker units which feed fuel from a hopper that needs filling only once every day or two. Others naturally prefer the kind which feed Anthracite direct from the bin. Automatic ash handling can be added —thus building step by step to completely automatic fuel and ash handling.

Anthracite has one advantage no other automatic fuel can match. Each step *up* in fueling convenience means a step *down* in fuel cost. Automatic Anthracite burners use the smaller and lower cost sizes of Anthracite — buckwheat and rice. Fuel savings and added convenience compensate for the added investment in equipment.

Last year, the domestic stoker industry led practically every other American industry in rate of growth. Each year more and more people realize that Anthracite in an automatic burner, gives every convenience offered by any other fuel.

In addition people are realizing that they can get the convenience of automatic fueling with the even heat, cleanliness, dependability and safety of Anthracite. Anthracite is a fuel that cannot leak, spill or evaporate into dangerous fumes. All of this convenience and efficiency, safety and dependability, is provided at the lowest possible fuel cost for completely automatic heating and fueling.

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MODERN *Air conditioning*

MODERN ANTHRACITE AIR CONDITIONING UNI

In this handsome unit are all the elements for complete, automatic Anthracite air conditioning with a warm air furnace. Winter heating, humidification, de-humidification and filtration are all included in one attractive, colorful unit. Summer cooling may be added if desired.

WITH ANTHRACITE *warm air heating*

WITH Anthracite warm air heating you can have any type or degree of air conditioning at the least added cost for equipment.

The condition of air includes its temperature, freshness, cleanliness, circulation and moisture content. Air conditioning is secured by combining units of equipment to provide all these conditions.

It is easy to see why winter air conditioning can be secured at such low cost with Anthracite warm air heating. The system already provides air circulation. Comparatively simple units add a supply of outside air, with filtration and the humidification required to add the desired amount of moisture.

For complete summer air conditioning, some kind of refrigeration is needed, with a *de*-humidification unit to take moisture from the air.

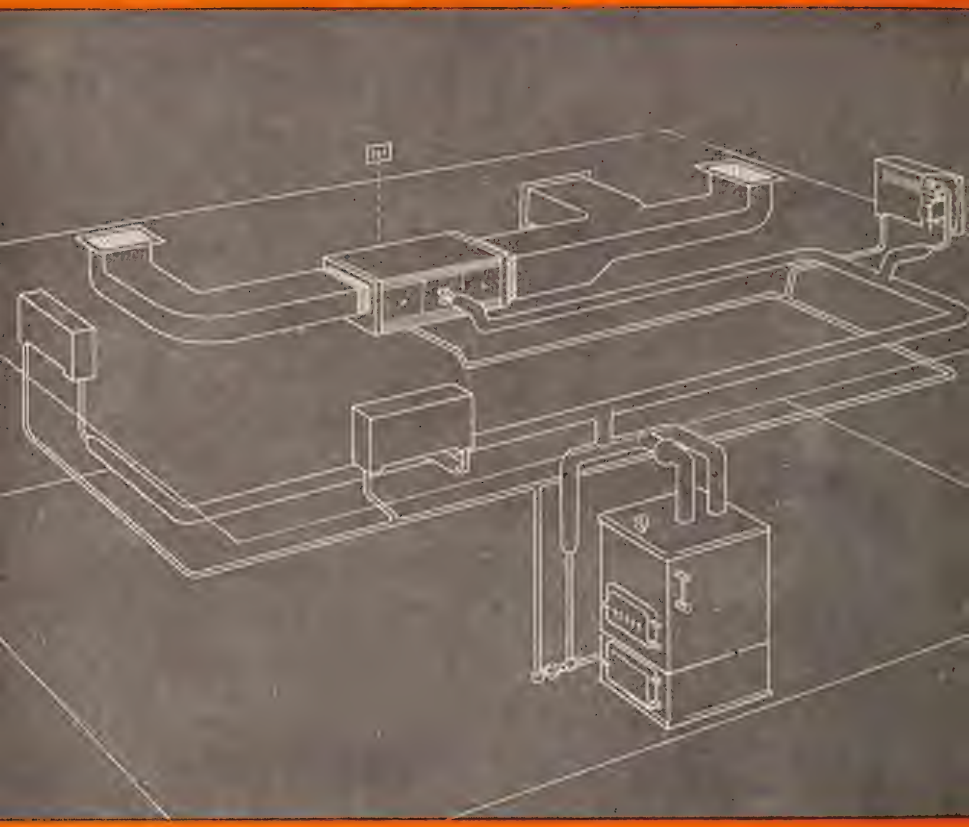
Whether you want all year 'round air conditioning or the more important winter air conditioning, Anthracite offers the most satisfactory and economical method of supplying the needed heat.

Even the simplest and most inexpensive Anthracite warm air heater that you take care of yourself can give you winter air conditioning. A thermostat gives you automatic temperature control. You make air conditioning completely attention free, by including automatic fuel and ash handling with Anthracite.

The extra conveniences can be added to an Anthracite warm air heater at will—an exclusive advantage of Anthracite air conditioning. It does give you a choice of installations to meet the limitations of your budget both for equipment — and fuel!

Air conditioning

WITH ANTHRACITE STEAM



AIR CONDITIONING WITH ANTHRACITE RADIATOR HEAT

Above is a diagram showing how winter air conditioning is installed with Anthracite radiator heat. Each room is heated by radiators. Air is conditioned in a separate unit which circulates filtered, humidified, tempered and freshened or "ventilated" air throughout the house. This type of air conditioning can be installed with any Anthracite boiler, old or new, whether you take care of it yourself or add automatic fuel and ash handling.

VAPOR OR HOT WATER HEATING

YOU can have air conditioning with radiator heat from *any* Anthracite boiler. So many methods provide air conditioning with radiator heat, that it is impossible to list them here, much less describe them.

More important is the fact that your architect or heating contractor can suggest an Anthracite air conditioning system to suit your needs, and still stay within your budget.

One system is diagrammed on the opposite page. This is known as a "split system" because heat is supplied by radiators in each room, while conditioned air is circulated separately.

The air conditioning unit in the basement mixes fresh air with air to be recirculated. Air is "tempered" to room temperature, filtered, humidified and then circulated to rooms above. Ducts are simple and inexpensive, since they do not have to carry a large volume of warmed air for heating, but merely provide for circulation of conditioned air.

Another popular method of winter air conditioning is by a unit on the top of an Anthracite boiler, where the air to be circulated is heated by steam from the boiler.

These are but two of many types of air conditioning with Anthracite radiator heat. Winter air conditioning is far more important for private homes than the more expensive summer cooling. All systems, regardless of fuel used, require refrigeration of some kind for summer cooling.

You can enjoy the advantages of complete winter air conditioning with radiator heat from Anthracite. It is relatively low in cost—both for installation and for upkeep. With the advantages of air conditioning, it gives the personalized, individually controlled, *balanced* radiator heat from Anthracite.

ABUNDANT HOT WATER —

AUTOMATIC

MODERN AUTOMATIC ANTHRACITE WATER HEAT

Don't confuse modern Anthracite water heaters with older types. As you can see, the modern water heater shown here is neat and attractive in appearance. It is equipped with a regulator that keeps the fire burning at the right intensity. This keeps water always hot — but with no boiling. Automatic controls save many trips back and forth to the heater—save time, and save fuel. Regulators are installed with all modern Anthracite water heaters, and can be easily and quickly attached to any Anthracite water heater now in use.

ALWAYS ON TAP WITH ANTHRACITE *water heaters*

MODERN Anthracite water heaters have been amazingly improved by the perfection of low cost automatic regulators. They keep the fire burning — keep water at the right temperature. No boiling— no rusty, muddy water. No running back and forth to adjust the heater.

Automatic Anthracite water heaters maintain an abundant supply of hot water, always on tap, at one-third the cost of gas or electricity.

There is no hot water service to equal the Anthracite heaters of today equipped with an automatic regulator.

If you now have an Anthracite water heater, install one of these modern regulators which now cost only a few dollars. This will give you, too, the attention-free luxury of constant hot water always at the right temperature. Your coal dealer or plumbing and heating contractor can tell you the right type and size of automatic Anthracite water heater — or regulator — best suited to your needs.

In the winter, water can be heated by "indirect" heaters. There are a number of types. All are attached to the Anthracite furnace or boiler. They supply constant hot water for every use in the bath, kitchen or laundry at no measurable cost.

With any type of automatic Anthracite burner, hot water can be obtained automatically all year 'round, from the stoker-fired boiler.

MODERN ANTHRACITE *Room*

MODERN ANTHRACITE ROOM HEATER

Illustrated above is one type of modern Anthracite Room Heater. It is attractive in appearance, with a colorful enamelled finish. It not only provides heat by direct radiation, but by circulation of heated air through the properly spaced vents. With Anthracite, which burns so long without attention, modern Room Heaters provide clean, convenient heat at the utmost economy.

Heaters AND Fireplaces —

THE Anthracite room heater of today has practically no resemblance to the "coal stove" of a few years ago.

Modern designs are finished in baked porcelain enamels. They often reproduce the color and grain of fine cabinet woods. Some designs with dial shaped temperature controls resemble fine radios — furniture at home in any room.

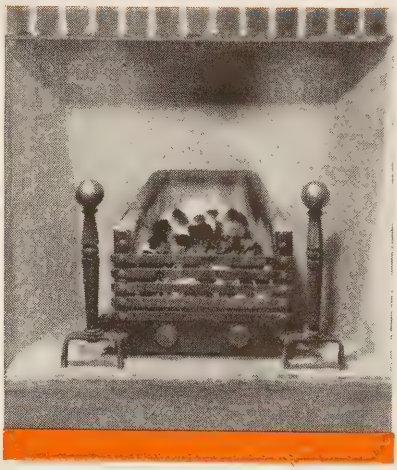
The same improvement has been made in their efficiency. The old base burner or Franklin stove gave heat only by direct radiation, resulting in excessive heat near the stove, while other parts of the room were cold.

Modern Anthracite room heaters now provide air circulation. They are, in effect, completely self-contained warm air heaters. While deriving a great deal more heat per pound of fuel, they distribute heat as well. Inexpensive models will provide adequate heat for two or three rooms.

FIREPLACES

Anthracite has always been a preferred fireplace fuel. It burns so long without attention, and provides such an attractive and warming glow, that no other fireplace fuel can match it.

Today there are available complete fireplace units for Anthracite. Some of these can be easily and quickly inserted in any adequate fireplace, and provide the cheerful glow of a *safe,* smokeless open fire, for as long as twelve hours at a time.

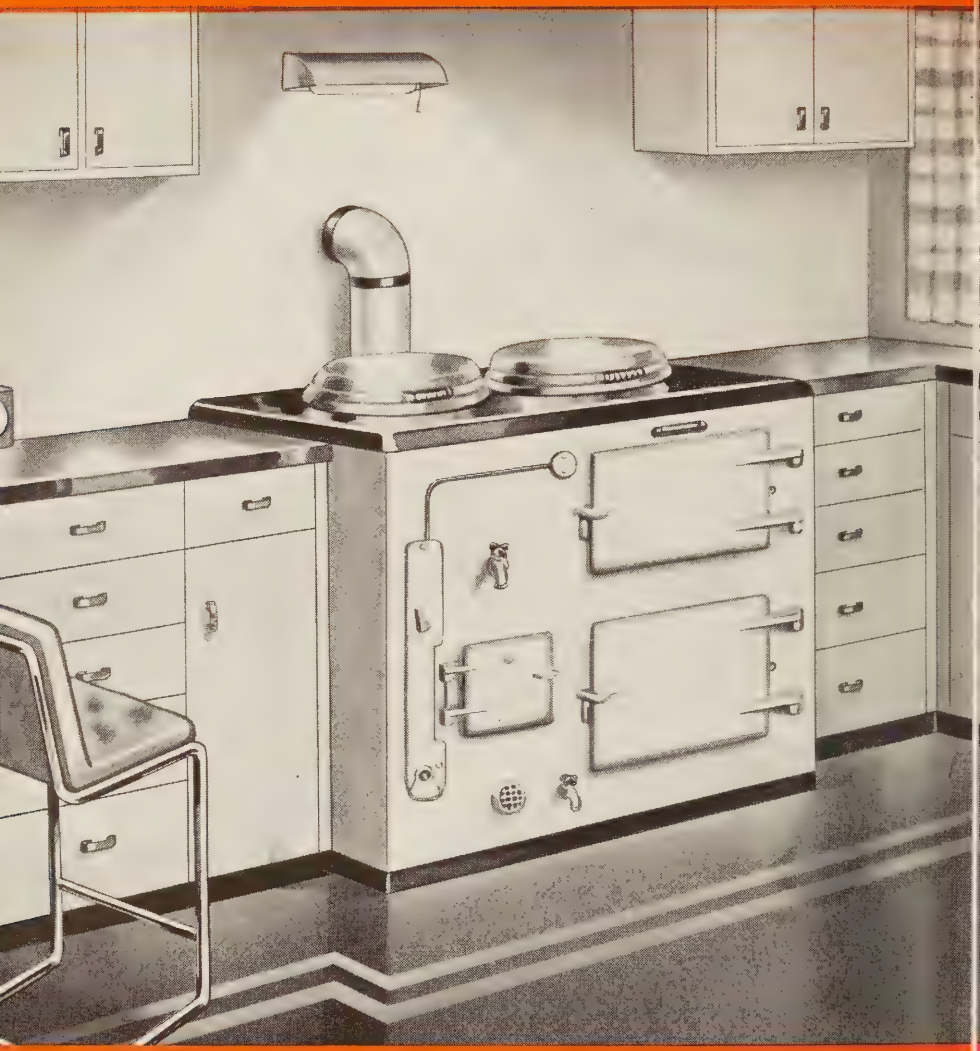


ANTHRACITE FIREPLACE

In any type of fireplace, Anthracite furnishes the longest burning fire with least attention. In modern, specially designed fireplaces, Anthracite will provide the cheery glow and comfort of a fire that burns without attention for as long as twelve hours.

In room heaters and fireplaces, the chestnut, stove and egg sizes of Anthracite are used. The cost is considerably less than with wood or cannel coal, and Anthracite requires a great deal less attention.

BETTER AND MORE ECONOMICAL



MODERN ANTHRACITE COOKING STOVE

This type is enamelled in spotless white. It has two top cooking units—one fast, one slower. It has two ovens, fast and slow. A few pounds of Anthracite are added daily with a convenient filling device. The little ash remaining is removed in a closed container in a minute's time. Thermostatic controls regulate temperature automatically.

Cooking WITH Anthracite

FOOD experts know that there is a marvelous difference between food cooked by smokeless, tasteless, odorless Anthracite, and food cooked by any other fuel.

That is one reason why modern Anthracite cooking stoves are being installed so rapidly in homes, dining cars, clubs, restaurants and hotels.

The more modern type of Anthracite cook stove, completely insulated to prevent heat waste, operates on the heat storage principle. The right cooking temperature is maintained automatically by a thermostat. This type of stove gives almost unbelievable economy. One model keeps a fire burning day and night at a fuel cost of $1.50 to $2 a month for a family of six.

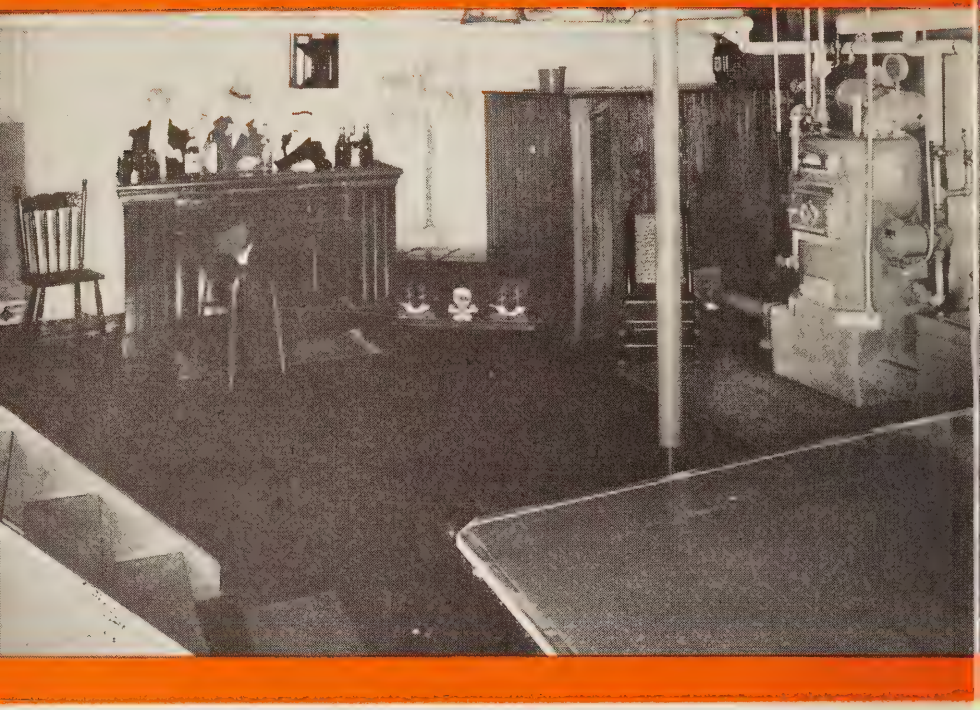
FOR COMMERCIAL COOKING

In clubs, hotels and restaurants, Anthracite economy is even more startling. Many restaurants report savings of $50 to $100 a month as compared with gas.

For commercial use, Anthracite cooking ranges can be equipped with stokers for automatic fuel feed, adding a saving in time and labor and still more fuel economy. Immediate heat for short orders or other emergencies is always available. In addition, Anthracite saves in the amount of food required. Meats do not shrink so much when cooked with Anthracite. It prevents waste.

Anthracite has always been a favorite fuel for cooking. That is because it burns so steadily, is so easily controlled, is so safe, and makes no smoke or smell. Foods do taste better. Today, the new, efficient and smart looking Anthracite cooking range is bringing a new idea of good cooking to thousands of homes, hotels, clubs and restaurants.

WITH *Modern improvements*



MODERNIZED BASEMENT FOR RECREATION. CLOSET FOR COAL

The heating plant, and automatic Anthracite burner are out in the open, yet blend well into the whole. Coal is stored in, and fed from the closet at the rear. The ping-pong table, and decorative bar add entertainment facilities. This inexpensive basement transformation suggests many other equally interesting possibilities.

TODAY'S Anthracite is cleaned and prepared to produce less ash than ever. Improvements in Anthracite and in methods of burning it, are matched by improvements in ash disposal methods.

One of the greatest advantages of Anthracite is cleanliness. One reason for its cleanliness is that all residue (ash) is confined in one suitable place in the furnace. All fuels leave a residue when burned.

ASH IS NO LONGER A PROBLEM

ATTRACTIVE BASEMENT LIVING ROOM, AND MONEY SAVED TOO

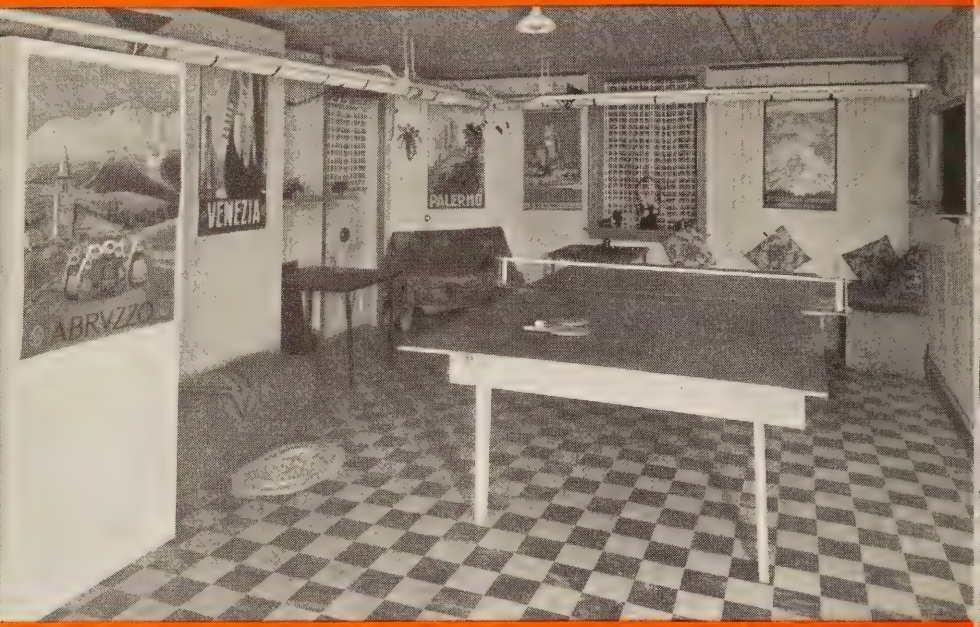
Here is an attractive example of basement modernization, and a story of fuel savings, too. See how furniture and rugs have transformed this basement into an extra room. In addition, modern Anthracite equipment made a large saving in fuel cost.

With other fuels, the unburned residue is carried out of the chimney in the form of soot, smut and destructive gases.

These soil the outside of the house, blow in through opened doors and windows, and seep through cracks and crevices to damage the entire contents of the home.

The residue of clean Anthracite is confined in the basement and disposed of elsewhere. Thanks to modern equipment and service, this disposal of ash is no longer a problem.

Basement modernization



GAME ROOM BASEMENT, DECORATED WITH TRAVEL PICTURES

The picture above shows an attractive modernized basement. As a game room the basement affords recreation for the family and guests. The travel posters lend a romantic, yet inexpensive decorative touch. Any home with modern Anthracite heating may have this kind of inviting basement . . . at low cost.

BASEMENT modernization does *not* require a new heating plant. It does not require even a change in heating method. If you now burn Anthracite, you can remodel your basement and gain a clean, quiet and comfortable downstairs room.

You can build a playroom, workroom, entertainment room, or room for any purpose, right around a modern Anthracite heater or boiler. You have seen that modern Anthracite boilers and furnaces are smart and attractive in appearance.

If you prefer, you can partition the heating plant away from the rest of the room by an archway, or completely enclosing it behind a door.

WITH *Anthracite*

QUAINT PANELLED BASEMENT ENTERTAINMENT ROOM

This modernized basement is an excellent example of what may be done in the basement of any home with modern Anthracite heating. Here is a quiet, clean and delightful place for relaxation, and entertainment. Note that no heating equipment is visible.

No matter which modernizing method you prefer, you know that your basement will be clean, odorless, safe and quiet, with Anthracite.

It costs surprisingly little to gain an extra room downstairs and you do not have to buy expensive heating equipment or use costly fuels. Some of the most attractive and useful basement rooms in modern homes, are those where Anthracite is used for heating. Many families save enough with Anthracite to pay for the entire cost of modernizing the basement.

Your local Anthracite merchant can tell you where to go for advice and economical service in modernizing your basement with modern Anthracite heat.

HOW TO MAKE THIS LOWEST COST

YOUR LOCAL COAL MERCHANT

Your local coal merchant is a helpful source of best heating information. He wants to help you get most heat for least money. He buys the best fuel, and invests his money in advance of the heating season, so he can serve you when you need him. You know where his business is, and where he can be reached in an emergency. He has an established reputation for fair dealing. He is part of the community life, contributing to its progress and its payrolls. He pays taxes for local improvements. He is your fellow citizen with your interests at heart.

HEAT STILL MORE *economical*

IN recent years the Anthracite retailer has become a great deal more than a "coal dealer." Many Anthracite merchants now maintain departments for inspecting and servicing Anthracite equipment.

All alert Anthracite merchants are in close touch with local heating experts, or with representatives of heating equipment manufacturers. They are completely informed about Anthracite equipment, to help you get the best of service with the Anthracite they sell.

In considering economy along with the convenience of Anthracite, also consult your local plumbing and heating contractor. He can give you sound advice upon the Anthracite equipment best suited to your needs.

If you wish, write direct to Anthracite Industries, Inc., for information about Anthracite or Anthracite equipment. This is an organization, whose sole purpose is to promote a better understanding of the merits of Pennsylvania Anthracite, and the advantages of all Anthracite equipment. It maintains a headquarters organization, and a field staff of trained heating men.

The advice and counsel of the entire organization are at the free service of architects, engineers, builders, and all who heat with Pennsylvania Anthracite, or who are considering the installation of modern equipment. For information address: Anthracite Industries, Inc., Chrysler Building, New York, N. Y.

THE *Advantages* OF ANTHRACITE WITH ANY MODERN ANTHRACITE EQUIPMENT

THE advantages of Anthracite are available to anyone in the simplest and most inexpensive equipment—and are not available to users of any other fuel. These advantages are important to personal comfort, bodily health, peace of mind—and your pocketbook.

Automatic Anthracite heat is the most healthful and most comfortable because it is really *even* heat. The Anthracite fire is so easily regulated. It does not have to be shut off completely for temperature control. The constant glow of Anthracite keeps homes always warm, with *no ups and downs of temperature.* With constant heat, floors are kept warmer, and this is important to children who live and play on the floors.

Comfort and health *both* demand an even temperature. If you ever tried to read by a flickering light you know that it can be done, but how irritable it makes you feel. The same uncomfortable feeling comes from "flickering heat." That is heat from any fuel that must be operated on the "off-and-on" principle.

Anthracite is safe—a solid fuel that cannot leak, spill, or evaporate. It is dependable. It is clean, for Anthracite cannot produce smoke under any conditions. That is because it contains such a high percentage of pure carbon.

Anthracite heat is economical — the lowest cost automatic heat you can use, for two reasons. It gives you automatic heat at the lowest possible cost for equipment. It gives you automatic heat in any equipment at the lowest possible cost for fuel.

Pennsylvania
ANTHRACITE
COAL

***THE* SOLID FUEL FOR SOLID COMFORT**

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This Seal of Approval appears on Anthracite equipment only after it has passed the most rigid tests in the heating field.